· · · · · · · · · · · · · · · · · · ·											
Work Order I February 8, 2011 8:-											Page 1
Item ID: D35 Revision ID: Item Name: Brac		A	Accept					Setup	Start Stop	1 (88/618) 8:	
Start Date: 2/08 Required Date: 2/22 Reference:	/11 Start Qty: 4.00			Cust Item I Customer:	ID:						
	cess Plan: _CL	Date: 11/02/08	Tooling: SPC (Y/N):		ate:]	Run	Start Stop	1 13011161 1	
Sequence ID/ Work Center ID	Operation Description		Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Rejo Qty		Reject Number	Insp. Stamp
Draw Nbr D3531	Revision Nbr Rev A										
100	FLOW WATER JET Memo		0.00				BI	1-9-	-16		
FLOW CNC Waterjet も かんし、公代さ	1-Cut as _I Deburr if	per Dwg D3531 □Dwg Rev:_ necessary	# □Prog Rev:_	I □2-				,)
	QC2- Inspect parts off	f machine FAI/FAIB	0.00				VR (1	-7-1	ل م		
QC Quality Control	Memo		0.00				1/21/		*-		-

120

QC8- Inspect parts - second check

0.00

Memo

0.00

Quality Control

7

11:02:17

W/O:			WO	RK ORDER CHANG	ES			
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							Prod Wgr	
Part No		PAR #:	Fault Categ	jory:	_ NCR: Yes I	No DQA:	Date: _	
		esolution:						
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCR)		
		Description of NC		tion B	Verificatio	n Approval	Approval	
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Chief Eng	QC Inspector
								,
						-		

Work Order ID 66235



Page 2

February 8, 2011 8:43:33 AM

Item ID:

D3531-1

Revision ID:

Item Name: Bracket

Required Date: 2/22/11

Start Date:

2/08/11

Start Oty: 4.00 Req'd Oty: 4.00

Accept

Setup Start

Stop

Reject

Number

Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: _____ Tooling:

SPC (Y/N):

Date:

Tool ID

Date:

Tool # Plan

Code

Run

Start



Insp.

Stamp

Stop

Reject

Oty

Sequence ID/ Work Center ID

130

Brake NC

Brake NC

Operation Description

NC BRAKE

Date:

Memo

Set Up/ Run Hours

0.00

0.00

Si 11/02/22

Oty

Accept

Quality Control

QC5- Inspect part completeness to step on W/O

Bend as per Dwg D3531

150

140

HandFinish

Hand Finishing

Chemical Conversion Coat per OSI005 4.1

0.00

Memo

Memo

0.00

7 6 Hylos/23

	•								
W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Categ	jory:	_ NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Disposition	ı:	_ QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCF	₹)			
DATE	CTED	Description of NC		Corrective Action Section		Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	k Sect	ion C	Chief Eng	QC Inspector
									-
							·-··		
		_							

Work Order ID 66235



Page 3

February 8, 2011 8:43:33 AM

Item ID:

D3531-1

Revision ID:

Start Date:

Bracket Item Name:

2/08/11

QC:

Required Date: 2/22/11 Rea'd Otv: 4.00

Start Otv: 4.00



Accept

Setup Start

Run

Accept

Qty

Stop



Cust Item ID: Customer:

Reference:

Approvals:

Process Plan:

Date: _____

Date: Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Tool ID

Date:

Code

Tool # Plan

Stop

Reject

Qty



Reject

Number

Start

Insp.

Stamp

Sequence ID/ Work Center ID

160

Ouality Control

Operation Description

OC3- Inspect Part Finish

0.00

Memo

0.00

Identify as per dwg & Stock Location:

0.00

0.00

Packaging

Packaging

170

180

Memo

OC21- Final Inspection - Work Order Release

Quality Control

Memo

0.00

0.00

1,211102123

W/O:		·	WO	RK ORDER CHANGI	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								'	٠.
Part No	•	PAR #:	Fault Categ	jory:	NCR: Yes	No DG	A:	Date:	· · · · · · · · · · · · · · · · · · ·
	R	esolution:	Disposition	1:	_ QA: N/C C	losed:		Date: _	
NCR:	:		WORK ORDE	ER NON-CONFORMA	NCE (NC	R)			
DATE	STEP	Description of NC	<u> </u>	Corrective Action Section	on B Sign		cation	Approval	Approval
DAIL	5121	Section A	Initial Chief Eng	Action Description Chief Eng	Date		tion C	Chief Eng	QC Inspector
		,							
1]			

Picklist Print

February 8, 2011 8:43:32 AM

Work Order ID: 66235

Parent Item: D3531-1

Parent Item Name: Bracket



Start Date: 2/08/11

Required Date: 2/22/11

Start Qty: 4.00

Required Qty: 4.00

Comments:

IPP Rev:A New Issue 07-09-24 EC verified by DD

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	.Qty Issued	Date Issued	Status
M6061T6S.040 6061-T6 .040 Sheet	11 16	Purchased	No			100	sf	50.3300	0.3783	1.592842	7.6 -6-1184	-16	
				<u>Location</u> MAT21		<u>Loc (</u>	<u>Oty</u> 50.33	Loc Code				/×g	

(1) 111224 0.4 113004 49.93

Page 1

W/O:			WC	RK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CHA	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						-			Prod Mgr	
									į	
				•				:		
Part No	·	PAR #:	Fault Cate	gory:	_ NCR	: Yes I	Vo DQ	A:	_ Date: _	
	R	esolution:	Disposition	n:	QA:	N/C Clo	sed:		Date:	
NCR:		V	WORK ORD	ER NON-CONFORM	ANCE	(NCR)			
		Description of NC			tion B	,,	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		ion C	Chief Eng	QC Inspector
					;					
Ī	1				-		1		1	

DART AEROSPACE LTD	Work Order:	66235
Description: Bracket	Part Number:	D3531-1
Inspection Dwg: D3531 Rev: A		Page 1 of 1

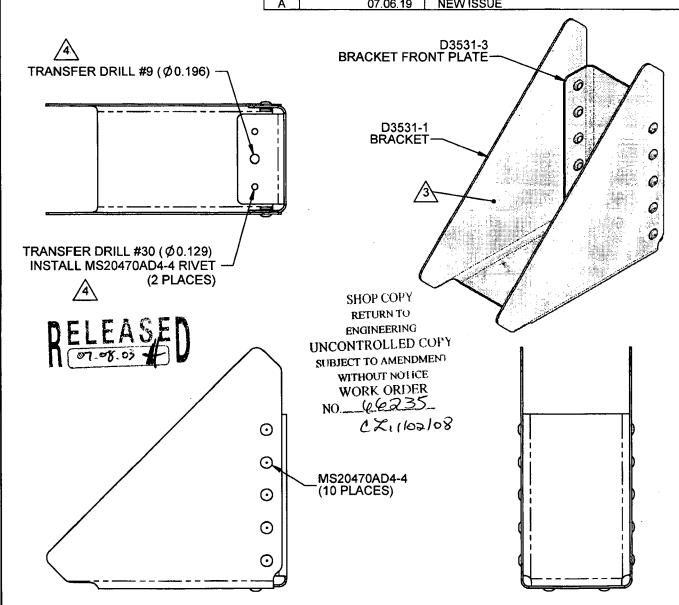
FIRST ARTICLE INSPECTION CHECKLIST

Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Comments
Ø0.196	+0.005/-0.001	_194 .	7		V 1802	umies.
Ø0.129	+0.005/-0.001	:130	1		V	Upolies.
0.33	+/-0.030	333	Þ		U	
2.840	+/-0.010	2.842	۲		ν	
1.70	+/-0.030	1,696	L		V	
1.45	+/-0.030	1.45.	4		ν	
0.38	+/-0.030	.381	8		V	
0.19	+/-0.030	, (93 '	¥		V	
5.88	+/-0.030	188,2	4		V	
12.66	+/-0.030	12.66	7		T 1301	
0.600	+/-0.010	604	8		V	
1.77	+/-0.030	1,77	¥		V	
1.24	+/-0.030	1.74	6		V	
1.16	+/-0.030	1.16			V	
			1			
easured by:	B	Audited by:		Pro	ototype Approv	
Date:	(1-3-1b	Date:	11:02.17		Da	ate: N/A

Rev	Date	Change	Revised by	Approved
Α	07.10.15	New Issue	KJ/EC/DD	<i>Y</i>



	DESIG	B	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CAI	
	CHEC	KED	APPROVED	DRAWING NO.	REV. A SHEET 1 OF 3
	DATE	07.0	06.19	BRACKET ASSEMBLY	SCALE 1:2
_	REV		DATE	DESCRIPTION	
			07.00.40	MEMALOCHE	



D3531-041 BRACKET ASSEMBLY

1) FINISH: POWDER COAT ASSEMBLY BLACK SANDTEX (4.3.5.7) PER DART QSI 005 4.3 ALL PARTS

2) ASSEMBLE PER DART QSI 003

3) IDENTIFY WITH DART P/N "D3531-041" USING WHITE MARKER ON INSIDE OF BRACKET ASSEMBLY, WHERE INDICATED

4) TRANSFER DRILL HOLES FROM D3531-1 BRACKET THROUGH D3531-3 BRACKET FRONT PLATE **BEFORE FINISHING**

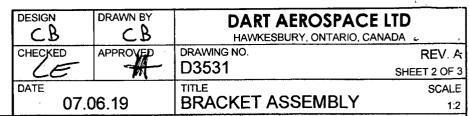
PARTS LIST

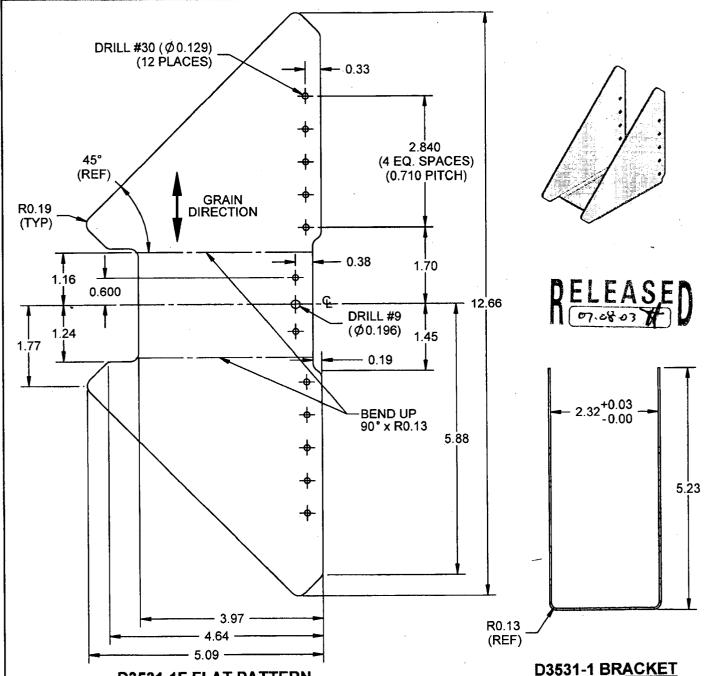
X D3531-041 BRACKET ASSEMBLY 1 D3531-1 BRACKET 1 D3531-3 BRACKET FRONT PLATE	QTY.	P/N	DESCRIPTION
	Х	D3531-041	BRACKET ASSEMBLY
1 D3531-3 BRACKET FRONT PLATE	1	D3531-1	BRACKET
	1	D3531-3	BRACKET FRONT PLATE
	12	MS20470AD4-4	RIVET

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D3531-1F FLAT PATTERN

NOTES 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1

- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
- 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
- 6) PART IS SYMMETRIC ABOUT &

SHOP COLY RETURN IO ENGINEERING UNCONTROLLED CO SUBJECT TO AMENDMEN

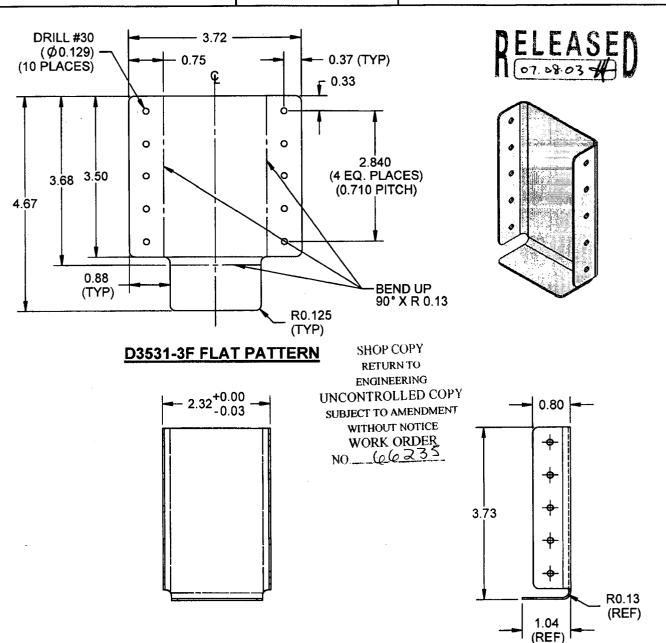
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DESIGN	DRAWN BY	DART AEROSPACE HAWKESBURY, ONTARIO, CA	
CHECKED	APPROVED	D3531	REV. A SHEET 3 OF 3
DATE 07.0)6.19	BRACKET ASSEMBLY	SCALE 1:2



D3531-3 BRACKET FRONT PLATE

- NOTES:
 1) MATERIAL: ALUMINUM 6061-T6/T62 SHEET, 0.040 THICK PER QQ-A-250/11 OR AMS 4025 OR AMS 4027 (REF DART SPEC M6061T6S.040)
 2) FINISH: CHEMICAL CONVERSION COAT PER DART QSI 005 4.1
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
 4) ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED
 5) BREAK ALL SHARP CORNERS TO 0.010 MAX
 6) PART IS SYMMETRIC ABOUT &

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